	Application No.	Applicant(s)	
	09/872,203	KIM ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Julio J. Maldonado	2823	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apply or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due cour	se. THIS
1. \boxtimes This communication is responsive to <u>amendments filed on</u>	<u>12/15/2003</u> .		
2. The allowed claim(s) is/are 1,4-22 and 24-43.		·	
3. \boxtimes The drawings filed on <u>31 May 2001</u> are accepted by the Ex	xaminer.	•	
 4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application No		from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the require	ments
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			CE OF
6. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-	948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment or in the C	Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawir	ngs in the front (not the bac d).	k) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL r FOR THE DEPOSIT OF BIOLOGIC	must be submitted. Note AL MATERIAL.	the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	Patent Application (PTO-15	2)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary		_,
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Dat	te	
Paper No./Mail Date	<u>_</u>	ant of Researcher Allower	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☑ Examiner's Stateme	ent of Reasons for Allowan	LE

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DETAILED ACTION

1. The rejection of claims 41 and 42 is withdrawn in view of applicants' amendments.

- 2. The addition of claim 43 in paper filed on 12/15/2003 is acknowledged.
- 3. Claims 1, 4-22, and 24-43 are pending in the present application.

Allowable Subject Matter

- 4. Claims 1, 4-22, and 24-43 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:

Raajimakers to U.S. 6,511,539 B1 teaches in Fig.1 and related text a method to form sequential monolayers by an ALD method teaches providing a reactor having a single reaction space; concurrently loading the plurality of wafers having a processing surface into the reaction space, wherein the processing surfaces of the wafers face in substantially the same direction; introducing a first reactant into the reaction space, wherein a portion of the first reactant is chemically adsorbed on the processing surface of each of the plurality of wafers; removing a non-chemically adsorbed portion of the first reactant from the reaction space; introducing a second reactant into the reaction space, wherein a portion of the second reactant is chemically adsorbed on the processing surface of each of the plurality of wafers; and removing a non-chemically adsorbed portion of the second reactant from the reaction space (column 1, line 13 – column 10, line 60).

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However, Raajimakers neither teaches nor suggests introducing the gas containing reactants at a first pressure and said diluting is performed to a second pressure, and where the second pressure is greater than the first pressure.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 6. Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is 571-272-2800. See MPEP 203.08.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Julio J. Maldonado whose telephone number is (571) 272-1864. The examiner can normally be reached on Monday through Friday.
- 8. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri, can be reached on (571) 272-1855. The fax number for this group is 703-872-9306 for before final submissions, 703-872-9306 for after final submissions and the customer service number for group 2800 is (703) 306-3329. Updates can be found at http://www.uspto.gov/web/info/2800.htm.

George Fourson
Primary Examiner

Julio J. Maldonado Patent Examiner Art Unit 2823